

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1 - 2 (Canceled)

3. (Currently Amended) ~~The~~ A portable information processing apparatus ~~of claim 2,~~
further comprising:

a first movable part;

a second movable part, the first movable part and the second movable part being connected so as to be mutually angularly displaceable, from a closed condition where the movable parts are opposed to each other to an open condition where areas of the first and second movable parts opposed in the closed condition are exposed to the outside;

an inner operation section for entering predetermined information, the inner operation section being provided in an area of the second movable part opposed to the first movable part in a closed condition where the first and second movable parts are opposed to each other;

an inner display for displaying a predetermined display content in response to predetermined information entered from the inner operation section, the inner display being provided in an area of the first movable part opposed to the second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer display for displaying a predetermined display content, the outer display being provided in an area exposed to the outside, of at least one of the first movable part and second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer operation section for entering predetermined information on the predetermined display content displayed on the outer display, the outer operation section being provided in an area other than the exposed area of at least one of the first and second movable parts whichever comes behind the outer display in a closed condition where the first and second movable parts are opposed to each other;

an externally oriented imaging section provided in the exposed area;

a condition detector for detecting a closed condition and an open condition of the first and second movable parts; and

a controller for causing the imaging section to shoot an image in response to predetermined information entered from one of the inner operation section and the outer operation section and displaying the image shot by the imaging section on at least one of the inner display and the outer display corresponding to one of the inner operation section and the outer operation section from which the predetermined information was entered causing the inner display to display the image shot by the imaging section when the predetermined information was entered from the inner operation section, and causing the outer display to display the image shot by the imaging section when the predetermined information was entered from the outer operation section, wherein

the inner operation section is activated and the outer operation section is deactivated in case the first and second movable parts are in an open condition, and the inner operation section is deactivated and the outer operation section is activated in case the first and second movable parts are in a closed condition.

4. (Currently Amended) ~~The~~ A portable information processing apparatus ~~of claim 1,~~
further comprising:

a first movable part;

a second movable part, the first movable part and the second movable part being connected so as to be mutually angularly displaceable, from a closed condition where the movable parts are opposed to each other to an open condition where areas of the first and second movable parts opposed in the closed condition are exposed to the outside;

an inner operation section for entering predetermined information, the inner operation section being provided in an area of the second movable part opposed to the first movable part in a closed condition where the first and second movable parts are opposed to each other;

an inner display for displaying a predetermined display content in response to predetermined information entered from the inner operation section, the inner display being provided in an area of the first movable part opposed to the second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer display for displaying a predetermined display content, the outer display being provided in an area exposed to the outside, of at least one of the first movable part and second

movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer operation section for entering predetermined information on the predetermined display content displayed on the outer display, the outer operation section being provided in an area other than the exposed area of at least one of the first and second movable parts whichever comes behind the outer display in a closed condition where the first and second movable parts are opposed to each other;

a condition detector for detecting a closed condition and an open condition of the first and second movable parts; and

an imaging section disposed on the exposed area, for shooting an image in response to predetermined information entered from one of the inner operation section and the outer operation section, the imaging section being provided facing the same side as the side where the display face of the outer display faces; and

~~a controller for causing the imaging section to shoot an image in response to predetermined information entered from one of the inner operation section and the outer operation section, the imaging section being provided facing the same side as the side where the display face of the outer display faces, wherein~~

~~an image shot with the imaging section is displayed on at least one of the inner display and the outer display corresponding to one of the inner operation section and the outer operation section from which the predetermined information used to shoot an image with the imaging section was entered~~
the inner display when the predetermined information used to shoot an image with the imaging section was entered from the inner operation section, and is displayed on

the outer display when the predetermined information used to shoot an image with the imaging section was entered from the outer operation section, and

the inner operation section is activated and the outer operation section is deactivated in case the first and second movable parts are in an open condition, and the inner operation section is deactivated and the outer operation section is activated in case the first and second movable parts are in a closed condition.

5. (Currently Amended) The portable information processing apparatus of claim ~~1~~ 3 or 2 4, wherein at least one of the inner operation section and the outer operation section includes an operation selector for activating one of the inner operation section and the outer operation section and deactivating the other one of the inner operation section and the outer operation section.

6. (Currently Amended) ~~The A~~ portable information processing apparatus of claim ~~1~~ or 2 comprising:

a first movable part;

a second movable part, the first movable part and the second movable part being connected so as to be mutually angularly displaceable, from a closed condition where the movable parts are opposed to each other to an open condition where areas of the first and second movable parts opposed in the closed condition are exposed to the outside;

an inner operation section for entering predetermined information, the inner operation section being provided in an area of the second movable part opposed to the first movable part in a closed condition where the first and second movable parts are opposed to each other;

an inner display for displaying a predetermined display content in response to predetermined information entered from the inner operation section, the inner display being provided in an area of the first movable part opposed to the second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer display for displaying a predetermined display content, the outer display being provided in an area exposed to the outside, of at least one of the first movable part and second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer operation section for entering predetermined information on the predetermined display content displayed on the outer display, the outer operation section being provided in an area other than the exposed area of at least one of the first and second movable parts whichever comes behind the outer display in a closed condition where the first and second movable parts are opposed to each other; and

a condition detector for detecting a closed condition and an open condition of the first and second movable parts, wherein

the condition detector comprises:

a discrete contact section where one set of discrete contacts and another set of discrete contacts formed in the shape of comb teeth are formed in engagement while spaced from each other in a substrate face direction; and

a common contact section for mutually providing electric connection between the discrete contacts in a closed condition where the first and second movable parts are opposed to each other or in an open condition where the areas opposed in the closed condition are exposed to the outside, and

wherein the inner operation section is activated and the outer operation section is deactivated in case the first and second movable parts are in a open condition, and the inner operation section is deactivated and the outer operation section is activated in case the first and second movable parts are in a closed condition.

7. (Previously Presented) The portable information processing apparatus of claim 3, wherein the controller sets the outer operation section to a command input function capable of inputting a command related to photographing, while displaying the image shot by the imaging section on the outer display.

8. (Previously Presented) The portable information processing apparatus of claim 3, wherein the controller displays a plurality of function display buttons for setting a desired function selected from among a plurality of functions related to photographing on one of the inner display and the outer display, and

a plurality of function setting operation buttons corresponding to the plurality of function display buttons are respectively provided in the inner operation section and the outer operation section.

9. (Original) The portable information processing apparatus of claim 7, wherein the controller displays a plurality of function display buttons for setting a desired function selected from among a plurality of functions related to photographing on one of the inner display and the outer display, and

a plurality of function setting operation buttons corresponding to the plurality of function display buttons are respectively provided in the inner operation section and the outer operation section.

10. (Original) The portable information processing apparatus of claim 8, wherein the controller displays the function setting display buttons on the outer display in a state where settable functions are restricted in comparison with the plurality of function display buttons displayed on the inner display.

11. (Original) The portable information processing apparatus of claim 8, further comprising:

a setting information storage section for storing information set with the function setting operation button.

12. (Original) The portable information processing apparatus of claim 10, further comprising:

a setting information storage section for storing information set with the function setting operation button.

13. (Previously Presented) The portable information processing apparatus of claim 3 or 4,

wherein the controller is adapted to cause the outer display to display the image shot by the imaging section and a content showing a setting on the photographing.

14. (Previously Presented) The portable information processing apparatus of claim 13, wherein

the outer operation section is provided with an operation key for entering information concerning setting on photographing.

15. (Currently Amended) The portable information processing apparatus of claim 14, wherein

the outer operation section has operation keys including at least an UP key, a DOWN key, a LEFT key and a RIGHT key, and

the controller is adapted to modify exposure correction setting or ZOOM/WIDE setting when the UP key or the DOWN key, or the LEFT key or the RIGHT key is pressed while displaying the image shot by the imaging section on the outer display.

16. (Previously Presented) The portable information processing apparatus of claim 13, wherein

the controller is adapted to cause an end of the outer display to display a content showing setting on photographing.

17. (Previously Presented) The portable information processing apparatus of claim 3 or 4, wherein

the controller is adapted to cause the inner display to display the image shot by the imaging section and a content showing setting on photographing.

18. (Previously Presented) The portable information processing apparatus of claim 17, wherein

the inner operation section is provided with an operation key for entering information concerning setting on photographing.

19. (Previously Presented) The portable information processing apparatus of claim 3 or 4, wherein

the controller is adapted to cause the outer display to display a function menu screen so that function setting items related to photographing can be displayed thereon and each of the items can be chosen by the outer operation section.

20. (Previously Presented) The portable information processing apparatus of claim 19, wherein

the outer operation section has at least a key for causing the outer display to display the function menu screen.

21. (Previously Presented) The portable information processing apparatus of claim 20, wherein

the controller is adapted to cause the outer display to display the function menu screen when the key is operated while the controller is causing the outer display to display the image shot by the imaging section.

22. (Previously Presented) The portable information processing apparatus of claim 19, wherein

the outer operation section has at least an UP key and a DOWN key, and

wherein the controller is adapted to move a cursor displayed on the function menu screen to choose an item by pressing at least one of the UP key and the DOWN key.

23. (Previously Presented) The portable information processing apparatus of claim 22, wherein

the outer operation section further has a CENTER key, and

wherein the controller is adapted to validate or cancel an item chosen with the cursor by pressing the CENTER key.

24. (Previously Presented) The portable information processing apparatus of claim 3 or 4, wherein

the outer operation section is provided with an operation key for entering information concerning a setting on photographing, and

the operation key has at least an UP key, a DOWN key, a LEFT key and a RIGHT key.

25. (Currently Amended) The portable information processing apparatus of claim 24, wherein

the controller is adapted to modify exposure correction setting or ZOOM/WIDE setting when one of the UP key and the DOWN key or one of the LEFT key and the RIGHT key is pressed while displaying the image shot by the imaging section on the outer display.

26. (Previously Presented) The portable information processing apparatus of claim 24, further comprising:

a memory for storing image data, wherein

the outer operation section has a CENTER key arranged in a center of the UP key, DOWN key, LEFT key and RIGHT key, and

the controller is adapted to cause the memory to store the image data of the image shot by the imaging section when the CENTER key is pressed while the controller is causing the outer display to display the image shot by the imaging section.

27. (Previously Presented) The portable information processing apparatus of claim 24, wherein

the outer operation section is provided to face a side the same as a side which the display face of the outer display faces.

28. (Currently Amended) ~~The A~~ portable information processing apparatus ~~of claim 1~~, wherein comprising:

a first movable part;

a second movable part, the first movable part and the second movable part being connected so as to be mutually angularly displaceable, from a closed condition where the movable parts are opposed to each other to an open condition where areas of the first and second movable parts opposed in the closed condition are exposed to the outside;

an inner operation section for entering predetermined information, the inner operation section being provided in an area of the second movable part opposed to the first movable part in a closed condition where the first and second movable parts are opposed to each other;

an inner display for displaying a predetermined display content in response to predetermined information entered from the inner operation section, the inner display being provided in an area of the first movable part opposed to the second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer display for displaying a predetermined display content, the outer display being provided in an area exposed to the outside, of at least one of the first movable part and second

movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer operation section for entering predetermined information on the predetermined display content displayed on the outer display, the outer operation section being provided in an area other than the exposed area of at least one of the first and second movable parts whichever comes behind the outer display in a closed condition where the first and second movable parts are opposed to each other;

a condition detector for detecting a closed condition and an open condition of the first and second movable parts; and

an operation selector key for activating one of the inner operation section and the outer operation section and deactivating the other one of the inner operation section and the outer operation section, wherein

the inner operation section is activated and the outer operation section is deactivated in case the first and second movable parts are in an open condition, and the inner operation section is deactivated and the outer operation section is activated in case the first and second movable parts are in a closed condition.

29. (Previously Presented) The portable information processing apparatus of claim 28, wherein

the operation selector key activates the outer operation section and deactivates the inner operation section.

30. (Previously Presented) The portable information processing apparatus of claim 28, wherein

by validating an input from the inner operation section, the inner operation section is activated, and by validating an input from the outer operation ~~section~~ section, the outer operation section is activated, and

the operation selector key is adapted to modify a setting on whether the input from the inner operation section or the input from the outer operation section is validated.

31. (Previously Presented) The portable information processing apparatus of claim 28, wherein

the operation selector key is provided in at least one of the inner operation section and the outer operation section.

32. (Previously Presented) The portable information processing apparatus of claim 28, further comprising:

a controller, wherein

by validating an input from the inner operation section, the inner operation section is activated, and by validating an input from the outer operation section, the outer operation section is activated, and

the controller is adapted to modify a setting on whether the input from the inner operation section or the input from the outer operation section is validated when the operation selector key is operated.

33. (Currently Amended) The portable information processing apparatus of claim 28, further comprising:

an externally oriented imaging section provided in the exposed area in the closed condition where the first and second movable parts are opposed to each other; and

a controller for causing the imaging section to shoot an image in response to information entered from one of the inner operation section and the outer operation section and causing the inner display to display the image shot by the imaging section on at least one of the inner display and the outer display corresponding to the one of the inner operation section and the outer operation section from which the information for shooting by the imaging section was entered when the information for shooting by the imaging section was entered from the inner operation section, and causing the outer display to display the image shot by the imaging section when the information for shooting the imaging section was entered from the outer operation section.

34. (Currently Amended) The portable information processing apparatus of claim 33, wherein

the outer operation section and the imaging section are provided to face the same side as the side where the display face of the outer display faces in the closed condition, and

the outer operation section and the imaging section are provided on opposite sides of the outer display.

35. (Previously Presented) The portable information processing apparatus of claim 33, wherein

the outer operation section includes at least an operation key for causing the outer display to display a function menu screen including items for setting function related to photographing, and is provided so that each of the items of the function menu screen displayed in the outer display can be chosen by the operation key.

36. (Previously Presented) The portable information processing apparatus of claims 33, wherein

the controller is adapted to cause the inner display to display the image shot by the imaging section in the open condition and switches from the inner display to the outer display to cause the outer display to display the image shot by the imaging section when switching from the open condition to the closed condition is carried out.

37. (Previously Presented) The portable information processing apparatus of claims 33, further comprising:

a memory for storing a image data, wherein

the inner operation section includes an operation key intended for storage of the image data shot by the imaging section into the memory.

38. (Previously Presented) The portable information processing apparatus of claim 33, wherein

the inner operation section includes a shutter key.

39. (Previously Presented) The portable information processing apparatus of claim 33, further comprising:

a memory for storing a image data, wherein

the outer operation section includes an operation key intended for storage of the image data shot by the imaging section into the memory.

40. (Previously Presented) The portable information processing apparatus claim 33, wherein

the outer operation section includes a shutter key.

41. (Currently Amended) The portable information processing apparatus of claim 35 or 39, wherein

the outer display displays the image shot by the imaging section and a description of the operation key of the outer operation section.

42. (Previously Presented) The portable information processing apparatus of claim 41, wherein

the outer operation section is provided to face a side the same as a side which the display face of the outer display faces, and

an operation key description area showing the description of the operation key is provided in an end area close to the operation key in a display screen of the outer display.

43. (Currently Amended) A~~The~~ portable information processing apparatus of claim 35 comprising:

a first movable part;

a second movable part, the first movable part and the second movable part being connected so as to be mutually angularly displaceable, from a closed condition where the movable parts are opposed to each other to an open condition where areas of the first and second movable parts opposed in the closed condition are exposed to the outside;

an inner operation section for entering predetermined information, the inner operation section being provided in an area of the second movable part opposed to the first movable part in a closed condition where the first and second movable parts are opposed to each other;

an inner display for displaying a predetermined display content in response to predetermined information entered from the inner operation section, the inner display being provided in an area of the first movable part opposed to the second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer display for displaying a predetermined display content, the outer display being provided in an area exposed to the outside, of at least one of the first movable part and second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer operation section for entering predetermined information on the predetermined display content displayed on the outer display, the outer operation section being provided in an area other than the exposed area of at least one of the first and second movable parts whichever comes behind the outer display in a closed condition where the first and second movable parts are opposed to each other;

a condition detector for detecting a closed condition and an open condition of the first and second movable parts;

an operation selector key for activating one of the inner operation section and the outer operation section and deactivating the other one of the inner operation section and the outer operation section;

an externally oriented imaging section provided in the exposed area in the closed condition where the first and second movable parts are opposed to each other; and

a controller for causing the imaging section to shoot an image in response to information entered from one of the inner operation section and the outer operation section, causing the inner display to display the image shot by the imaging section when the information for shooting by the imaging section was entered from the inner operation section, and causing the outer display to display the image shot by the imaging section when the information for shooting by the imaging section was entered from the outer operation section, wherein

the inner operation section is activated and the outer operation section is deactivated in case the first and second movable parts are in an open condition, and the inner operation section is deactivated and the outer operation section is activated in case the first and second movable

parts are in a closed condition, and the inner operation section is deactivated and the outer operation section is activated in case the first and second movable parts are in a closed condition, the outer operation section includes at least an operation key for causing the outer display to display a function menu screen including items for setting function related to photographing, and is provided so that each of the items of the function menu screen displayed in the outer display can be chosen by the operation key, and

the controller is adapted to cause the outer display to display the function menu screen when the operation key is operated while the controller is causing the outer display to display the image shot by the imaging section.

44. (Previously Presented) The portable information processing apparatus of claim 35, wherein

the outer operation section has at least an UP key and a DOWN key, and

the controller is adapted to move a cursor displayed on the function menu screen to choose an item by pressing at least one of the UP key and the DOWN key.

45. (Previously Presented) The portable information processing apparatus of claim 44, wherein

the outer operation section further has a CENTER key, and

the controller is adapted to validate or cancel an item chosen with the cursor displayed on the function menu screen by pressing the CENTER key.

46. (Currently Amended) A cellular telephone comprising the portable information processing apparatus of claim ~~1~~ 3 or ~~2~~ 4.

47. (Currently Amended) The portable information processing apparatus of claim 28, further comprising:

a condition detector for detecting at least the closed condition;

an externally oriented imaging section provided in the exposed area in the closed condition where the first and second movable parts are opposed to each other; and

a controller for causing the imaging section to shoot an image in response to information entered from one of the inner operation section, ~~and the outer operation section and causing the inner display or the outer display corresponding to the one of the inner operation section and the outer operation section from which the information for shooting by the imaging section was entered to display the image shot by the imaging section~~ causing the inner display to display the image shot by the imaging section when the information for shooting by the imaging section was entered from the inner operation section, and causing the outer display to display the image shot by the imaging section when the information for shooting by the imaging section was entered from the outer section, wherein

the controller is adapted to cause the outer display to display the image shot by the imaging section and a content showing a setting on a current photographing set by the outer display section when the condition detector detects the closed condition.

48. (Currently Amended) The portable information processing apparatus of claim 32, further comprising:

an externally oriented imaging section provided in the exposed area in the closed condition where the first and second movable parts are opposed to each other, wherein

the controller is adapted to cause the imaging section to shoot an image in response to information entered from one of the inner operation section and the outer operation section, ~~and is adapted to cause the inner display or the outer display corresponding to the one of the inner operation section and the outer operation section from which the information for shooting by the imaging section was entered to display the image shot by the imaging section to display the image shot by the imaging section when the information for shooting by the imaging section was entered from the inner operation section, and is adapted to cause the outer display to display the image shot by the imaging section when the information for shooting by the imaging section was entered from the outer section, and~~

the controller is adapted to invalidate an input of information from the inner operation section when a change from the open condition to the closed condition is detected by the condition detector and is adapted to cause the outer display to display the image shot by the imaging section and a content showing a setting on a current photographing set by the outer display section.

49. (Currently Amended) The portable information processing apparatus of claim 32, further comprising:

an externally oriented imaging section provided in the exposed area in the closed condition where the first and second movable parts are opposed to each other, wherein

the controller is adapted to cause the imaging section to shoot an image in response to information entered from one of the inner operation section and the outer operation section, and is adapted to cause the inner display ~~or the outer display corresponding to the one of the inner operation section and the outer operation section from which the information for shooting by the imaging section was entered to display the image shot by the imaging section to display the image shot by the imaging section when the information for shooting by the imaging section was entered from the inner operation section, and is adapted to cause the outer display to display the image shot by the imaging section when the information for shooting by the imaging section was entered from the outer section,~~

the controller is adapted to invalidate an input of information from the outer operation section and is adapted to validate an input of information from the inner operation section when a change from the closed condition to the open condition is detected by the condition detector, and

the controller is adapted to cause the outer display to display the image shot by the imaging section and a content showing a setting on a current photographing set by the outer operation section when a change from the open condition to the closed condition is detected by the condition detector.

50. (Currently Amended) The A portable information processing apparatus of claim 32 comprising:

a first movable part;

a second movable part, the first movable part and the second movable part being connected so as to be mutually angularly displaceable, from a closed condition where the movable parts are opposed to each other to an open condition where areas of the first and second movable parts opposed in the closed condition are exposed to the outside;

an inner operation section for entering predetermined information, the inner operation section being provided in an area of the second movable part opposed to the first movable part in a closed condition where the first and second movable parts are opposed to each other;

an inner display for displaying a predetermined display content in response to predetermined information entered from the inner operation section, the inner display being provided in an area of the first movable part opposed to the second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer display for displaying a predetermined display content, the outer display being provided in an area exposed to the outside, of at least one of the first movable part and second movable part in a closed condition where the first and second movable parts are opposed to each other;

an outer operation section for entering predetermined information on the predetermined display content displayed on the outer display, the outer operation section being provided in an area other than the exposed area of at least one of the first and second movable parts whichever comes behind the outer display in a closed condition where the first and second movable parts are opposed to each other;

a condition detector for detecting a closed condition and an open condition of the first and second movable parts;

an operation selector key for activating one of the inner operation section and the outer operation section and deactivating the other one of the inner operation section and the outer operation section; and

a controller, wherein

the inner operation section is activated and the outer operation section is deactivated in case the first and second movable parts are in an open condition, and the inner operation section is deactivated and the outer operation section is activated in case the first and second movable parts are in a closed condition,

by validating an input from the inner operation section, the inner operation section is activated, and by validating an input from the outer operation section, the outer operation section is activated,

the controller is adapted to modify a setting on whether the input from the inner operation section or the input from the outer operation section is validated when the operation selector key is operated,

an a display face of the outer display is formed smaller than an display face of the inner display, and

the controller is adapted to cause the outer display to display items of a function menu screen under conditions that display of settable functions of the outer display is limited in comparison with the inner display.

51. (Previously Presented) The portable information processing apparatus of claim 32, wherein

the outer display is a translucent half-reflecting liquid crystal display device,
a backlight is provided on a back of the outer operation section as viewed from a display
face, and
when a predetermined interval of time has elapsed since the backlight was turned on, the
controller turns the backlight off.